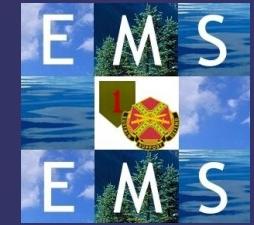


# USAG Schweinfurt

## Environmental Management System (EMS) Training





# Agenda

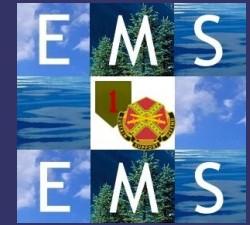
- **Welcome and Introductions**
- **What is an Environmental Management System (EMS)?**
- **Why Are We Developing an EMS?**
- **EMS Components and Steps**
- **Department of Army Required Schedule and Tasks**
- **USAG Schweinfurt Approach to EMS Development, and Accomplishments to Date**
- **Senior Leaders' and all Staff's Responsibilities**
- **References for Further Information**



## What is EMS?

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A management *process* designed to help an organization meet environmental responsibilities and achieve and demonstrate improved environmental performance.



## What is EMS? (ctd.)

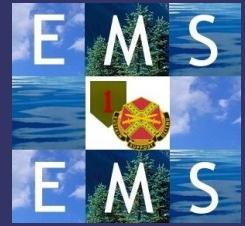
- A systematic and organized approach to managing environmental impacts
- Integrates environmental considerations into all activities and services of an organization
- Builds on existing environmental programs
- Defines, implements and monitors environmental objectives and targets
- Applicable to everyone whose activities have the potential to impact the environment



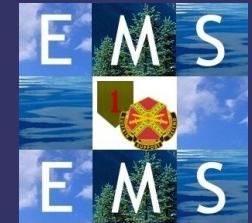
# Why develop an EMS?

- **Required by the Department of the Army**
- **Benefits**
  - **Sustainability**
  - **Efficient use of scarce resources**
  - **Improved environmental performance**
  - **Risk reduction and problem prevention**
  - **Better communication of environmental issues**
  - **Reduces impacts to the mission resulting from regulatory violations**
- **EMS provides the framework to support the mission for the longterm**

# Department of the Army EMS Requirements



- **Executive Order 13148 – Greening the Government through Leadership in Environmental Management, 22 April 2000**
  - *Implementation of EMS by 31 December 2005 for integrating environmental accountability into agency day-to-day decision making and long-term planning processes*
- **Army Environmental System Action Memorandum, Deputy Assistant Secretary of the Army, 13 July 2001**
  - *Conform to ISO 14001*
  - *Initiate NLT FY 2004; EMS in place NLT December 2005*
  - *Full conformance NLT FY 2009*

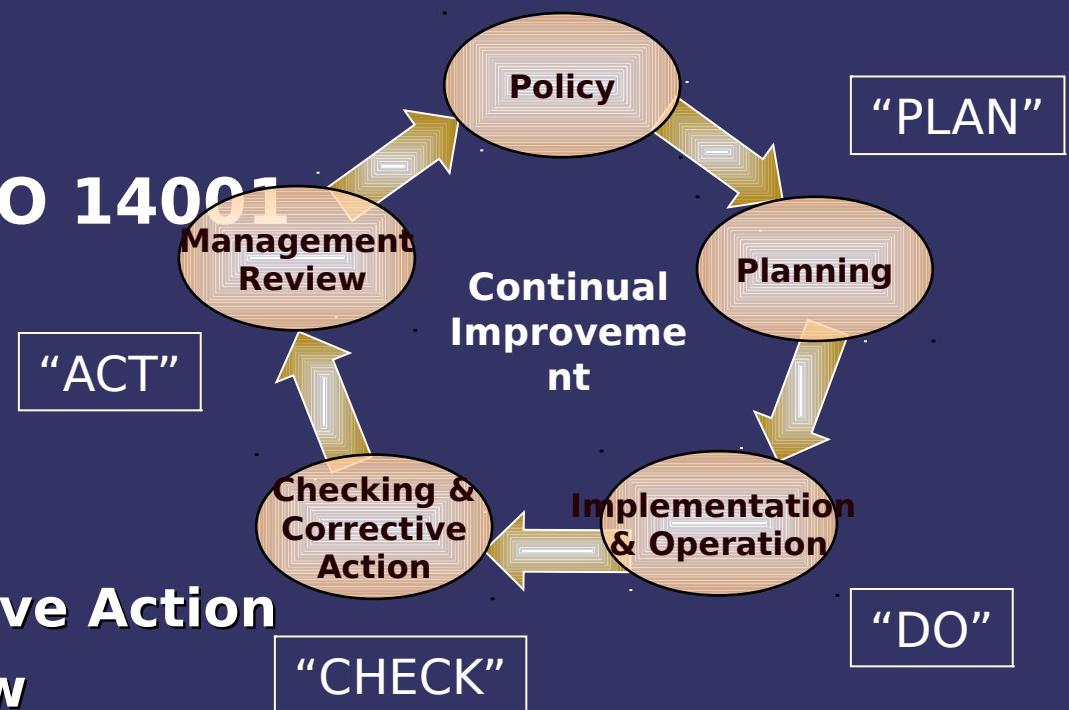


# What is ISO 14001?

- **Voluntary international standard providing a framework for developing an EMS**

- **Key elements of ISO 14001**

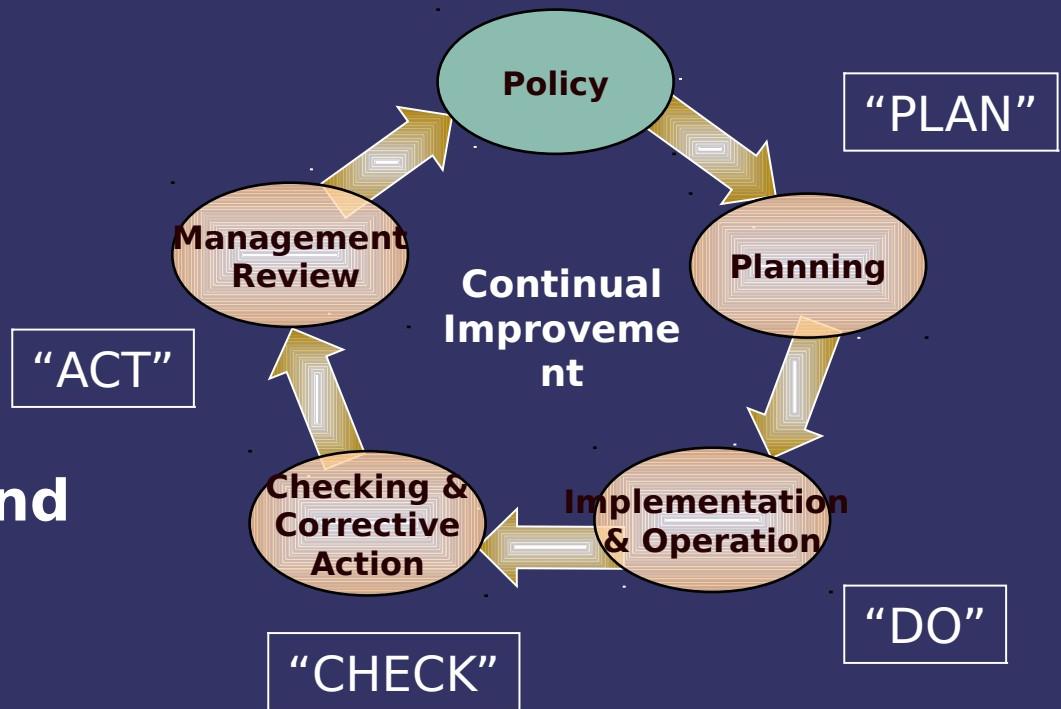
- **Policy Statement**
- **Planning**
- **Implementation & Operation**
- **Checking & Corrective Action**
- **Management Review**
- **Continual Improvement**



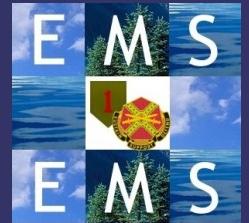


# Environmental Policy

- Statement of environmental commitment of the organization
- Framework for environmental actions and goals
- Applies to everyone who works and lives in the USAG Schweinfurt



# USAG Schweinfurt Environmental Policy



**DEPARTMENT OF THE ARMY  
INSTALLATION MANAGEMENT AGENCY  
HEADQUARTERS, UNITED STATES ARMY GARRISON, SCHWEINFURT  
CMR 457  
APO AE 09033**

REPLY TO  
ATTENTION OF

IMEU-SWF-PWE

MAR 20 2006

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Policy Memorandum #3-4, Environmental Management System (EMS)

1. References:

- a. Executive Order 13148, 22 Apr 00, Greening the Government through Leadership in Environmental Management.
- b. Memorandum, ACSIM, DAIM-ZA, 10 Jul 03, subject: Army Environmental Management System (EMS) Policy.

2. Intent: Incorporate elements of International Organization for Standardization (ISO) 14001 Environmental Management System (EMS) into the existing installation management structure.

3. Scope: The policy applies to all reserve and active component units, tenant agencies, United States Army Garrison Schweinfurt (USAG) team members, and off-post units/agencies utilizing USAG Schweinfurt facilities.

4. General: The USAG Schweinfurt provides community services, command and control functions, and facilities to sustain tenant units in the Schweinfurt Military Community. On order, to transition to war, the mission becomes a projection platform for follow-on forces, providing area support to deploying tenant units. While completing this mission, the USAG Schweinfurt and Schweinfurt Military Community must:

- a. Comply with all applicable environmental policies, laws, and regulations.
- b. Continually assess activities, products and services to determine their effect on the environment. Identify significant environmental impacts ensuring their consideration when establishing objectives and targets in our environmental management programs.
- c. Identify potential sources of pollution and meet or exceed Army goals for pollution prevention.
- d. Fully integrate relevant environmental requirements into standard work practices and procedures. Make environmental awareness and compliance a routine part of daily operations.

This policy memorandum remains in effect until rescinded.

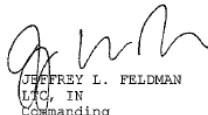
IMEU-SWF-PWE  
SUBJECT: Policy Memorandum #3-4, Environmental Management System (EMS)

e. Actively pursue improvements in organizational EMS. Establish performance measures to assess system effectiveness.

5. Give this policy widest dissemination and post it in shops, work areas, unit bulletin boards, and on all official bulletin boards, as appropriate. This policy is also available on the USAG Schweinfurt website and upon request, to the general public through the USAG Schweinfurt Public Affairs Office.

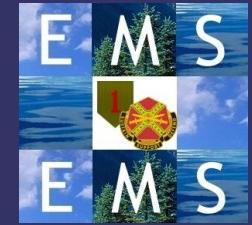
6. The USAG Schweinfurt Point of Contact for this policy is the DPW Environmental Division at DSN 354-6795.

"PRIDE, PROFESSIONALISM, TEAMWORK"

  
JEFFREY L. FELDMAN  
LTC, IN  
Commanding

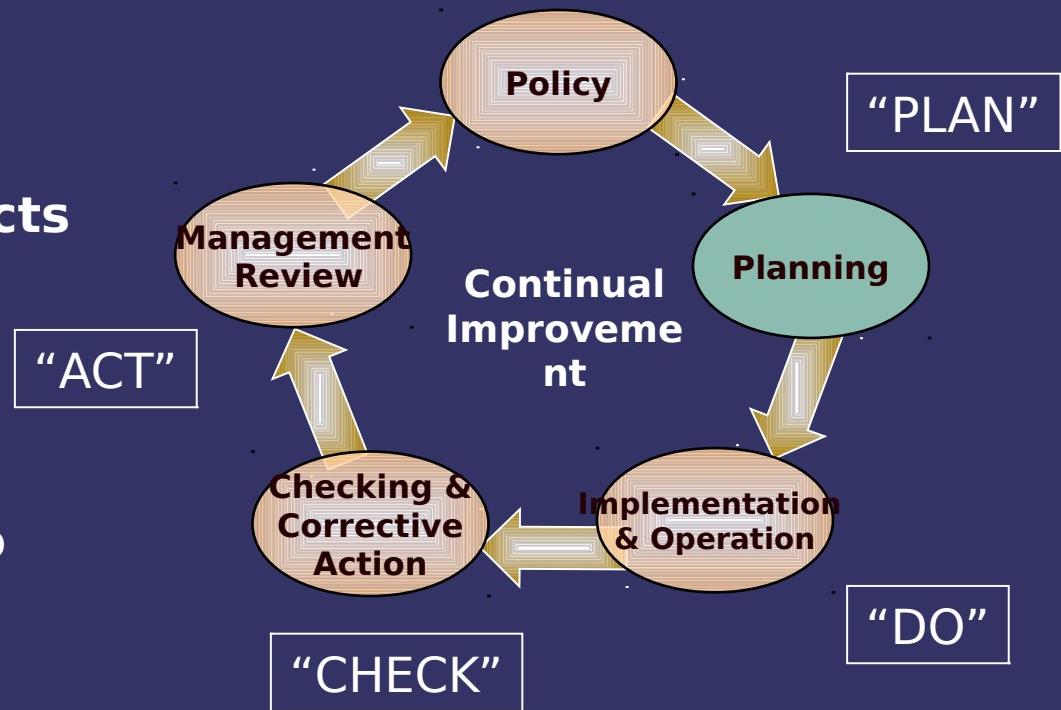
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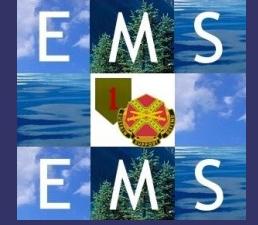


# EMS Planning

- Identify aspects of USAG operations that can interact with the environment
- Identify environmental impacts
- Review legal and other requirements
- Set objectives and targets to improve environmental performance
- Establish formal EMS program



# **Everybody interacts with the environment**



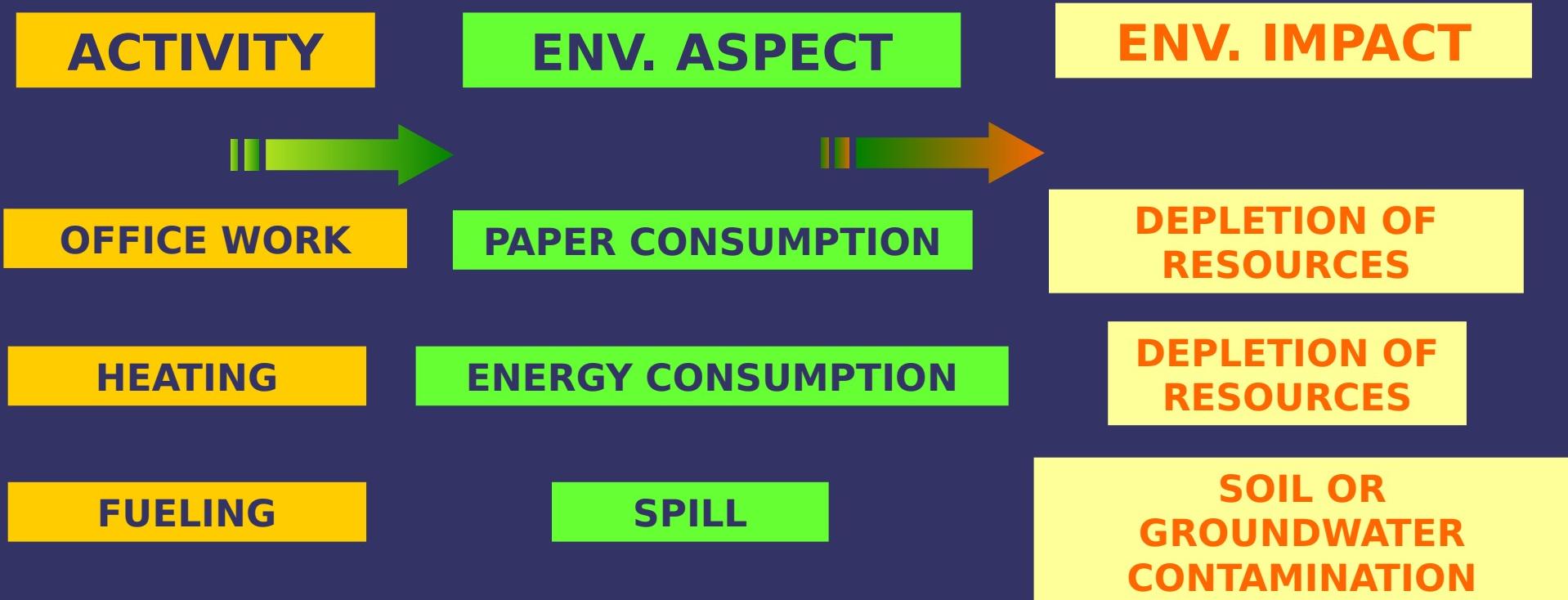
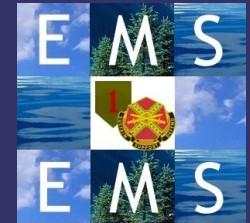
- **Environmental aspects**

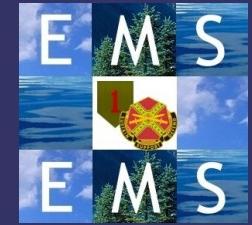
**Components of activities or products that can interact with the environment**

- **Environmental impacts**

**Changes to the environment, whether beneficial or adverse, that are resulting from these activities or products**

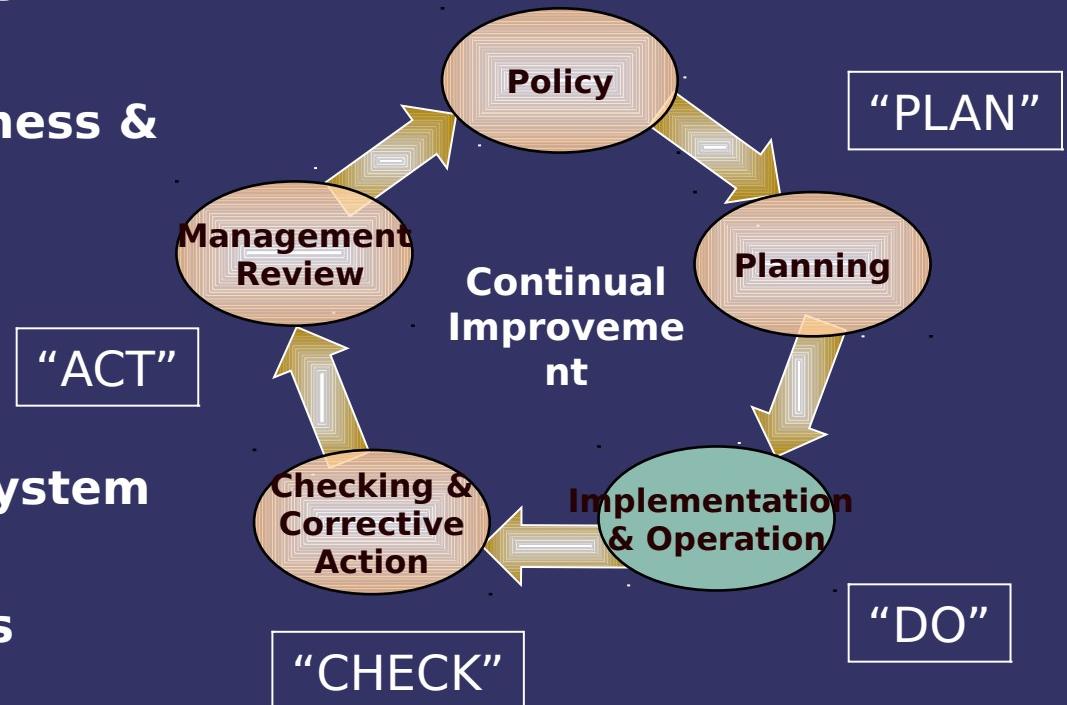
# Aspects and Impacts

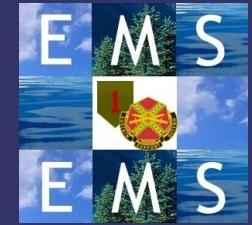




# EMS Implementation & Operation

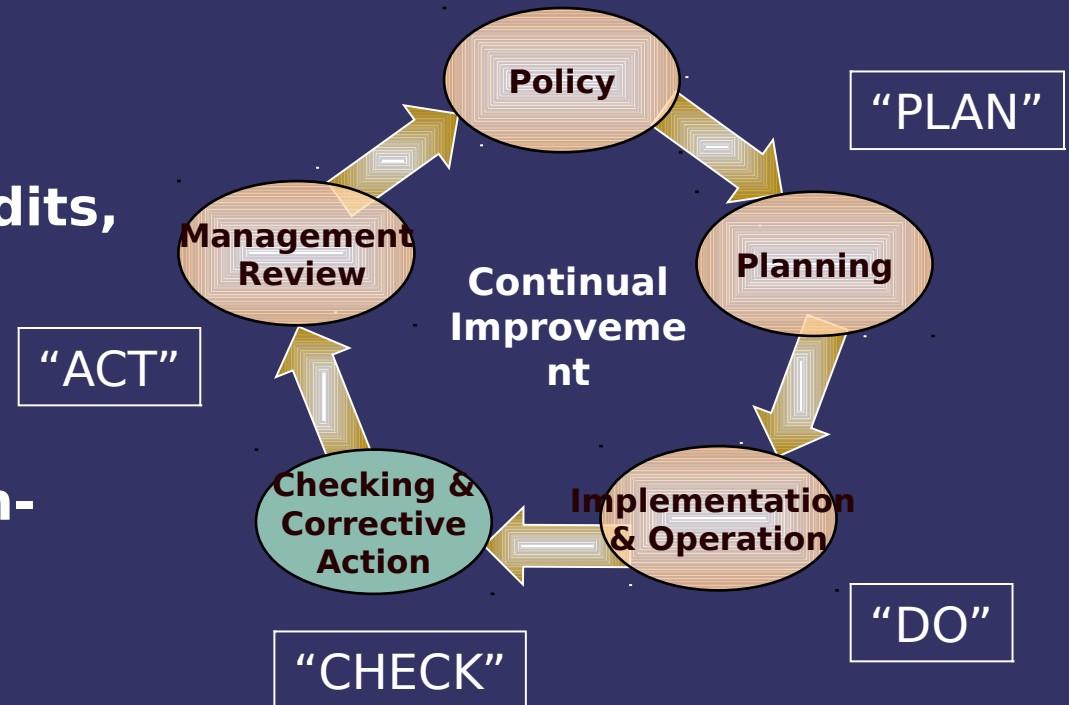
- Define roles & responsibilities
- Provide EMS training (Awareness & Competency)
- Establish internal & external communication mechanisms
- Establish document control system
- Establish operational controls
- Integrate with or establish Emergency Preparedness Procedures





# EMS Checking & Corrective Action

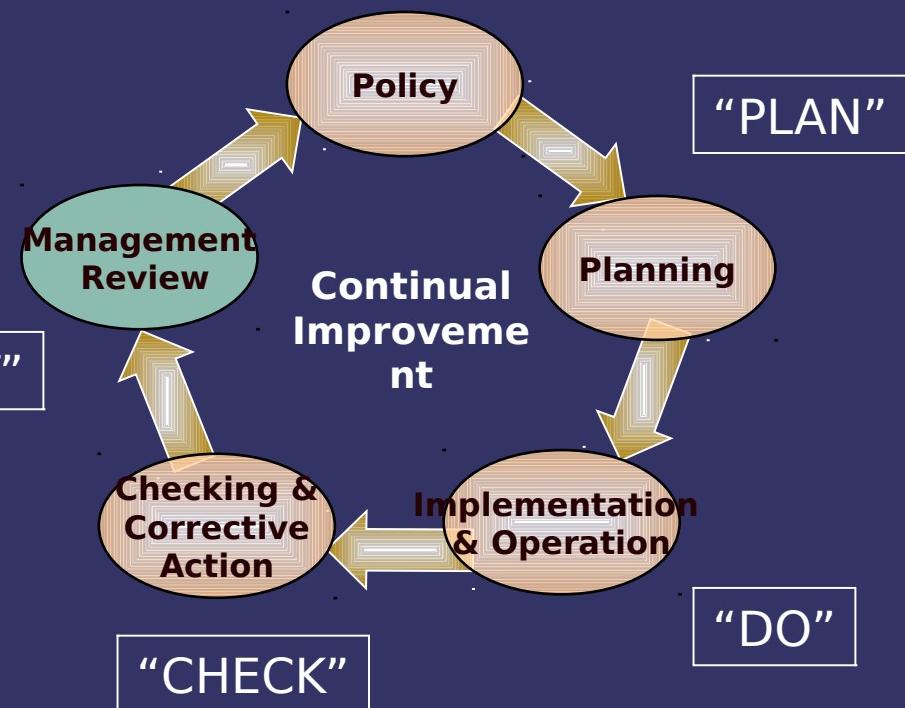
- Regular measurement, monitoring & evaluation of key operations with significant environmental impacts
- Includes periodic EMS audits, other audits, & routine monitoring
- Identify root cause of non-conformance
- Develop appropriate corrective & preventive actions

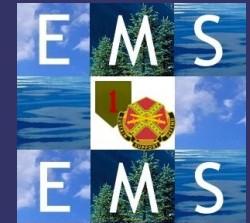




# EMS Management Review

- **Conduct periodic review of EMS**
- **Senior management conducts review**
- **Purpose is to evaluate EMS effectiveness**
- **Results in revisions to policy or other EMS elements if needed**

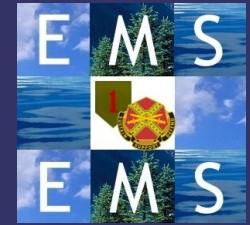




# Example - EMS in Action

## Motorpool

- **Aspects:**
  - Use/Former Use of asbestos
  - Use/Storage of Petroleum/Oil/Lubricants (POL)
  - Generation of hazardous waste (e.g. waste oil)
- **Environmental Impacts:**
  - Health risk to workers
  - Depletion of petroleum resources / Risk of spills and fire
  - Disposal of hazardous waste
- **Consequences of Not Following Standard Operating Procedures (SOPs):**
  - Exposure of workers to asbestos
  - Spills / Fires
  - Exposure of workers / surrounding ecology

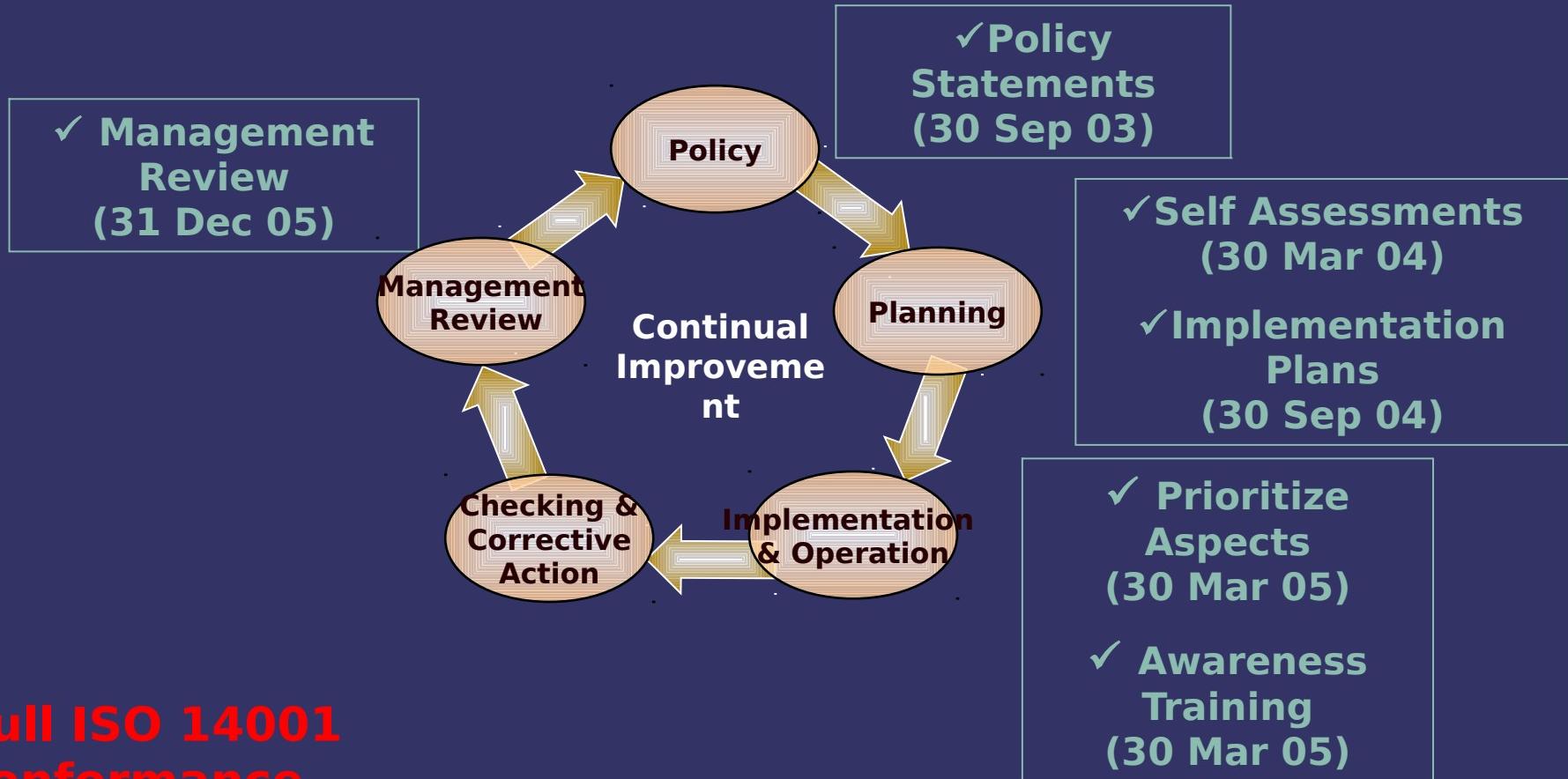
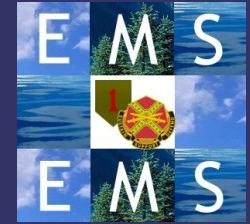


## Example - EMS in Action (ctd.)

### Motorpool (ctd.)

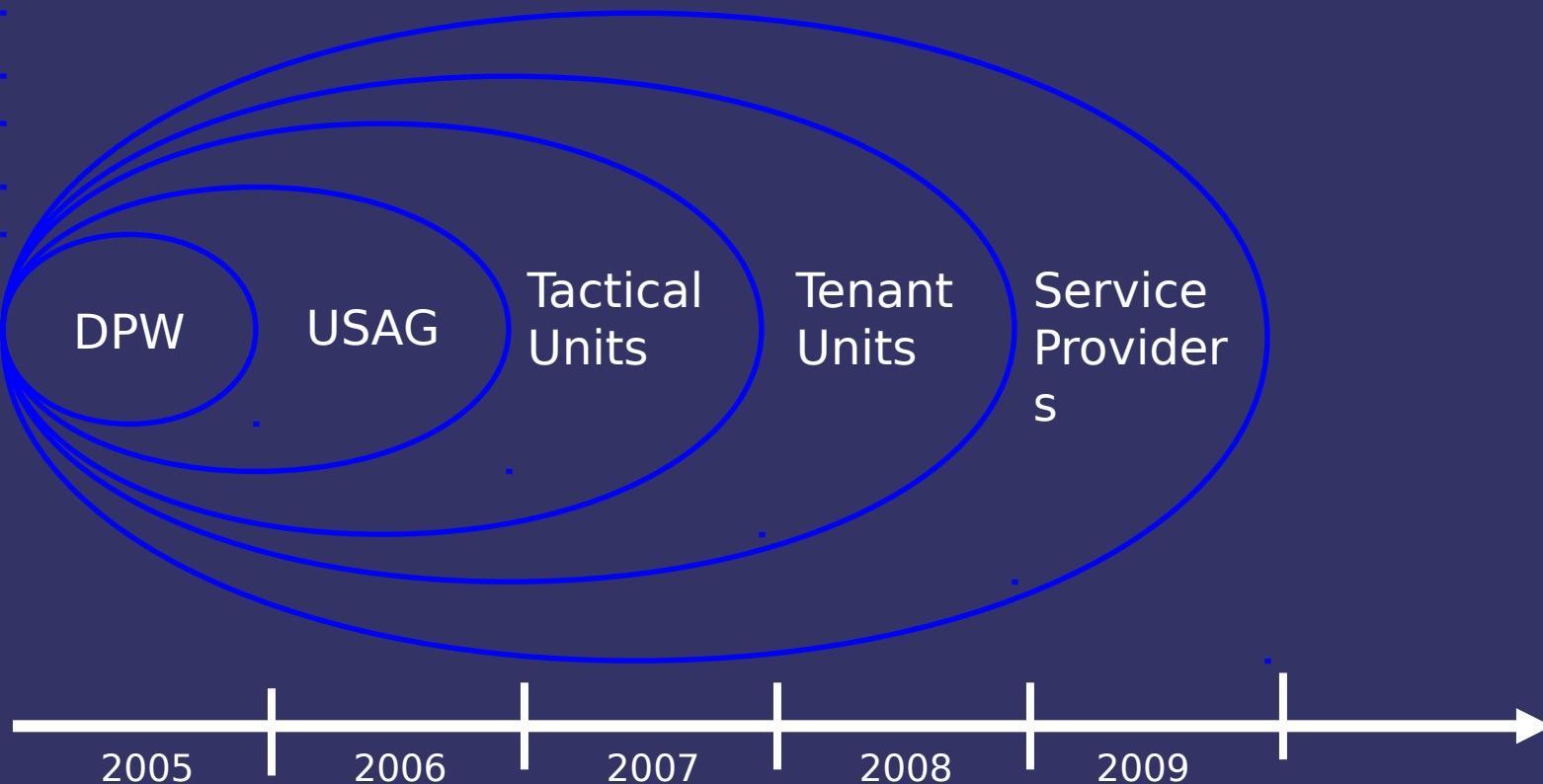
- **EMS Actions:**
  - Identify specific objectives for reduction of impacts ("plan")
  - Define specific responsibilities for Motorpool personnel ("do")
  - Develop consistent written procedures ("do")
  - Monitor performance to ensure compliance ("check")
  - Implement corrective actions for continual improvement ("act")
- **Individual Actions:**
  - Attend training
  - Know roles and responsibilities
  - Follow written procedures
  - Look for opportunities to reduce impacts (Pollution Prevention)

# Army's EMS Milestones and USAG Schweinfurt Status



✓ = Task complete for 1<sup>st</sup> cycle of USAG EMS

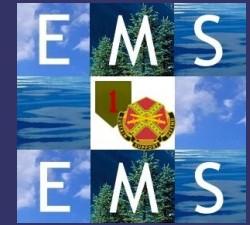
# USAG Schweinfurt Phased Approach to EMS





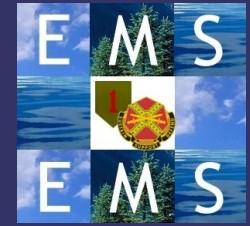
# Senior Leadership Responsibilities

- **Know, follow and communicate the USAG's Environmental Policy**
- **Understand the elements of the USAG's EMS as they pertain to your organization**
- **Provide the resources needed for developing and implementing the EMS**
- **Create the culture of proactive environmental awareness in support of the overall mission**



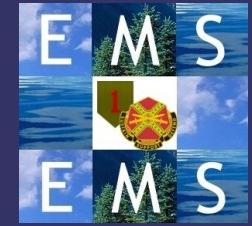
# Everyone Has a Role in EMS

- **Know how your job can impact the environment**
  - All jobs are different and can have different impacts on the environment
  - Personnel whose jobs have potentially significant impacts on the environment will receive job-specific training to minimize those impacts
- **Know and follow work procedures**
  - Be familiar with all work-related procedures
  - Make sure your unit's work procedures conform to the EMS policy, objectives and targets
  - Make sure your work procedures are up-to-date, easily understood, and locatable
  - Know what to do in the event of an emergency or spill



# Benefits of EMS

- **Positive effect on compliance & performance**
- **Improved risk identification and problem prevention**
- **Improved environmental awareness, involvement, & competency across organization**
- **Better communication about environmental issues**
- **Improved efficiency, reduced costs and liabilities, & greater consistency in environmental programs**
- **Transitions from a reactive to a proactive organization**
- **Continual improvement allows flexibility and opportunity to correct imperfections**
- **Strengthens working relationships within the community and with the Host Nation**
- **Helps maintain the sustainability of the mission**



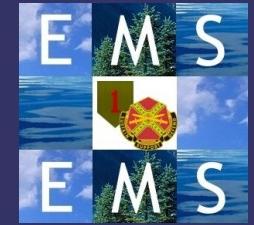
## Summary

- EMS is a system - That's what makes it work
- EMS is a management tool to better support the mission - not an environmental program
- EMS implementation takes time - its a continual process, not an event
- EMS is a shared responsibility
- EMS requires commitment at all levels of the organization



# For Further Information...

- **USAG Schweinfurt Website**
  - Environmental Policy
  - EMS Awareness Training slides
  - <http://www.schweinfurt.army.mil/sites/dpw/>
- **Tools available on DENIX**
  - HQDA EMS Implementers Guide (December 2005)
  - HQDA EMS Commanders Guide (June 2003)
  - [https://www.denix.osd.mil/denix/DOD/  
Library/EMS/ssarmy.html](https://www.denix.osd.mil/denix/DOD/Library/EMS/ssarmy.html)



# Contacts

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- **Lothar Rueckert,  
Chief, Environmental Division  
Directorate of Public Works,  
DSN 354-6795**